WE CLAIM:

1. A medical system architecture, comprising:

a modality for acquiring images,

a means for processing the images, said means for processing includes a digital image system with a computer that

works according to a standard for object linking and embedding method for data exchange between various

application programs with graphical control elements and a standard for object linking and embedding

custom controls, wherein a standard for object linking and embedding custom controls software component

is allocated to every individual process limited by address space boundaries,

means for expanding the standard for object linking and embedding custom controls software components with a

remote control component for asynchronous communication so that devices and processes can be remote

controlled without any limitations caused by address space or computer boundaries, and

a means for the transmission of the images,

2. A medical system architecture according to claim 1, wherein said remote control component is an OLE Automation interface.

3. A medical system architecture according to claim 2, wherein the remote control ensues according to an OLE Automation standard.

4. A medical system architecture according to claim 1, wherein the remote control component is an Automation Interface component.

5. A medical system architecture according to claim 1, wherein the remote control ensues with software-IC connections.

6. A medical system architecture according to claim 1, wherein the remote control ensues according to

the ATOMIC standard.

7. A medical system architecture according to claim 5, wherein the remote control component is a connectable/remote interface component.

8. A medical system architecture according to claim 6, wherein the remote control component is a connectable/remote interface component.

9. A medical system architecture according to claim 1, wherein said means for transmitting uses for data exchange the standard for object linking and embedding.

10. A medical system architecture according to claim 1, wherein a standard for said standard for object linking and embedding Custom Controls is the component standard Microsoft OCX.

11. A medical system architecture according to claim 1, further comprising:
means for use of software component technology for producing components for graphic user interfaces contained
within a process.

12. A medical system architecture according to claim 1, further comprising:
means for combining software component technology with standard for object linking and embedding Automation
for distributed propagation of an event within a control level and between the control levels.

13. A medical system architecture according to claim 1, further comprising:
means for combining software component technology with software-IC connections for the distributed propagation
of an event within a control level and between the control levels.

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